

MEDICAL

[MBBS 0325] MARCH 2025 Sub. Code :6065

M.B.B.S. DEGREE EXAMINATIONS

(For the candidates admitted from the Academic Year 2019-2020)

SECOND PROFESSIONAL – SUPPLEMENTARY - (CBME) PAPER I – MICROBIOLOGY Q.P. Code: 526065				
Shade the correct answer with Black of Blue ink ball point pen				
III. N	SET - Sultiple Choice Questions:	<u>- A</u>	$(20 \times 1 = 20)$	
1.	The process by which bacteria exchange A) Transformation B) Transduction	•	-	
2.	Which of the following bacterial complications?			
	A) Cell wall B) Capsule	C) Plasmid	D) Flagella	
3.	The term "bactericidal" refers to: A) Inhibition of bacterial growth C) Reduction in bacterial virulence	B) Killing of bact D) Stimulation of	teria f bacterial replication	
4.	Bacteria that can grow at temperatures be A) Psychrophiles B) Mesophiles			
5.	Which cytokine is primarily responsible Th1 cells? A) IL-4 B) IL-6	e for the differentiation C) IL-12	on of naive T cells into D) IL-10	
6.	What is the role of regulatory T cells (Tregs)?			
0.	137	B) Cytokine produ	uction	
	C) Suppression of the immune response	D) Phagocytosis		
7.	A) Detection of pathogens	e' is primarily associa B) Detection of cance D) Detection of self-	er cells	
8.	Which of the following statements about A) They activate B cells B) They are involved in allergic response C) They have antiviral properties D) They are components of the complements	interferons is true?	50110	

C) Cotrimoxazole

D) Meropenem

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9. All of the above can be given for the Treatment of MRSA, Except

B) Linezolid

A) Vancomycin



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10. The toxin produced by Clostridium perfring A) Tetanospasmin B) Alpha toxin	gens that causes muscle necrosis is: C) Botulinum toxin D) Exotoxin A		
11. Which of the following is the most commoA) Trichophyton rubrumC) Microsporum canis	n cause of Tinea capitis? B) Trichophyton tonsurans D) Epidermophyton floccosum		
	Piedraia hortae Candida albicans		
13. Which stain is used for visualizing fungi inA) Gram stainC) Periodic acid-Schiff (PAS) stain	tissue samples? B) Giemsa stain D) Wright's stain		
14. Dermatophytes invade which layer of the sA) Subcutaneous tissue B) Epidermis			
15. Which of the following is a non-envelopedA) Hepatitis C virusC) Human Papillomavirus (HPV)	virus? B) Influenza virus D) Herpes Simplex Virus		
 16. Hospital-acquired infections are defined as infections: A) Present at the time of hospital admission B) Acquired 48 hours or more after hospital admission C) Acquired from food consumed in the hospital D) Transmitted through blood transfusions only 			
 17. Which of the following strategies can reduce the risk of catheter-associated bloodstream infections (CABIs)? A) Frequent use of antibiotics B) Changing catheters every few days unnecessarily C) Using aseptic technique during catheter insertion D) Reusing catheters 			
18. A positive Tuberculin test is an example ofA) Type I HypersensitivityC) Type III Hypersensitivity	B) Type II Hypersensitivity D) Type IV Hypersensitivity		
19. All are Heterophile Agglutination Test, Ex A) Weil Felix test B) Paul Bunnel Test	cept C) Cold agglutinin Test D) VDRL test		
20. Endoscopes are sterilized by A) Glutaraldehyde B) Formaldehyde ************************************	C) Autoclaving D) Hot air oven		
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